

Notice of Allowability

Application No.

10/603,905

Examiner

Nghia M. Doan

Applicant(s)

KEDEM, RAFAEL

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant Amendment filed on 04/19/2007.
2. ☒ The allowed claim(s) is/are 1-14, 16 and 17.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20070607.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

PAUL DINH
PRIMARY EXAMINER



DETAILED ACTION

1. This is responsive to Application Amendment filed on 04/19/2007. Claims 1-18 remain pending.

Claims 1 and 6 have been amended.

Response to Arguments

2. Applicant's arguments, filed on 04/19/2007, with respect to claims 1, 6, and 11 have been fully considered and are persuasive. The claim rejection mailed 03/20/2007 has been withdrawn.

Examiner Amendment

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. David S. Atkinson (Reg. No. 56,655) on 06/07/2007.

The application is amended as the following:

As per claim 1:

Line 5, after "multiplexer" inserts ", wherein pre-diffused IP blocks are IP blocks in said semiconductor device whereon dopant has been deposited prior to diffusion".

Line 9, replaces "decide" with "select".

Line 12, before "interface pin" inserts "selected".

As per claim 6:

Line 6, after "multiplexer" inserts ", wherein pre-diffused IP blocks are IP blocks in said semiconductor device whereon dopant has been deposited prior to diffusion".

Line 10, replaces "decide" with "select".

Line 13, before "interface pin" inserts "selected".

As per claim 11:

Line 4, after "device" inserts "wherein pre-diffused IP blocks are IP blocks in said semiconductor device whereon dopant has been deposited prior to diffusion".

Line 10, replaces "decide" with "select".

Line 11, after "I/O pin" inserts "; and

a reusable field programmable device connected to said I/O pin for prototyping".

As per claim 15: is canceled.

As per claim 16:

Line 1, replaces "claim 15" with "claim 11".

As per claim 17:

Line 1, replaces "claim 15" with "claim 11".

Allowable Subject Matter

4. Claims 1-14, 16, and 17 are allowed.
5. The following is an examiner's statement of reasons for allowance: the prior art does not teach or suggest in combination of the limitations recited in claim 1 and

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similarly to claims 6 and 18, comprising: connecting interface pins of at least two pre-diffused IP blocks in a semiconductor device to input ports of a multiplexer, wherein pre-diffused IP blocks are IP blocks in said semiconductor device whereon dopant has been deposited prior to diffusion; connecting an output port of said multiplexer to an I/O pin of said semiconductor device; providing an address to said multiplexer through a configuration pin of said semiconductor device to select which of said interface pins is actually connected to said I/O pin; and connecting said I/O pin to a reusable field programmable device so that a pre-diffused IP block having said selected interface pin is selected for prototyping.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nghia M. Doan whose telephone number is 571-272-5973. The examiner can normally be reached on 8:30-5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Chiang can be reached on 571-272-7483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nghia M. Doan
Patent Examiner
AU 2825
NMD

PAUL DINH
PRIMARY EXAMINER

A handwritten signature in black ink, appearing to read "Paul Dinh", with a long, sweeping horizontal stroke extending to the right.